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Abbreviations and symbols:—'(L)' refers to letters to the Editor; *indicates first-named author.

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Advances in Shock Research, Vols. 1 and 2, 1979, **315**
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Almeida, J. D., *et al.*: *Manual for Rapid Laboratory Viral Diagnosis*, 1979, **907**
Annals of the Rheumatic Diseases, Vol. 38, Suppl. No. 1, *Symposium on Reiter's Syndrome*, 1979, **415**
Artz, C. P., Moncrief, J. A., and Pruitt, B. A.: *Burns: A Team Approach*, 1979, **204**
Baum, S. J., and Ledney, G. D., eds.: *Experimental Haematology Today*, 1978, **98**
Bedford, M. A.: *A Colour Atlas of Ocular Tumours*, 1979, **203**
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Blaustein, A.: *Interpretation of Biopsy of Endometrium*, 1979, **907**
Blomback, B., and Hanson, L. A., eds.: *Plasma Proteins*, 1979, **799**
Bondy, P. K., and Rosenberg, L. E., eds.: *Metabolic Control and Disease*, 8th ed., 1980, **907**
Braun, W. E.: *HLA and Disease*, 1979, **1123**
British Medical Bulletin, Vol. 36, No. 1, *Chemical Carcinogenesis*, 1980, **906**
Brown, S., Mitchell, F. L., and Young, D. S., eds.: *Chemical Diagnosis of Disease*, 1979, **1224**
Bruguera, M., Bordas, J. M., and Rodes, J.: *Atlas of Laparoscopy and Biopsy of the Liver*, 1979, **316**
Carpenter, C. B., ed.: *Clinical Histocompatibility Testing*, Vol. 3, 1979, **203**
Chanarin, I.: *The Megaloblastic Anaemias*, 2nd ed., 1979, **799**
Chandra, R. K., ed.: *The Liver and Biliary System in Infants and Children*, 1979, **201**
Ciba Foundation Symposia: *Enzyme Defects and Immune Dysfunction* (New Series, 68), 1979, **704**
Clayton, B. E., Jenkins, P., and Round, J. M.: *Paediatric Chemical Pathology: Clinical Tests and Reference Ranges*, 1980, **1015**
Clinics in Gastroenterology, Vol. 9, No. 1, *Virus Hepatitis*, 1980, **908**
Cohen, A. S., ed.: *The Science and Practice of Clinical Medicine*, Vol. 4, *Rheumatology and Immunology*, 1979, **511**
Contributions to Nephrology, Vol. 15, *Nephrologic Problems of the Newborn*, 1979, **315**
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Current Topics in Pathology, Vol. 67, *Carcinogenesis*, 1979, **798**
Darmady, E. M., and MacIver, A. G.: *Renal Pathology*, 1980, **1224**
Dick, G., ed.: *Immunological Aspects of Infectious Diseases*, 1979, **203**
Frey, D., Oldfield, R. J., and Bridger, R. C.: *A Colour Atlas of Pathogenic Fungi*, 1979, **511**
Furniss, A. L., Lee, J. V., and Donovan, T. J.: *The Vibrios*, 1979, **1014**
Garcia, L. S., and Ash, L., eds : *Diagnostic Parasitology: Clinical Laboratory Manual*, 2nd ed , 1979, **608**
Gardner, A. F.: *Synopsis of Pathology for the Allied Health Professions*, 1979, **416**
Ghadially, F. N.: *Diagnostic Electron Microscopy of Tumours*, 1980, **908**
Gibson, J. M.: *Medical Microbiology and Pathology for Nurses*, 1979, **202**
Gowing, N. F. C.: *A Colour Atlas of Tumour Histopathology*, 1980, **1225**
Greer, C. H.: *Ocular Pathology*, 3rd ed., 1979, **202**
Hamburger, J., Crosnier, J., and Grünfeld, J. P., eds.: *Nephrology*, 1979, **415**
Hartley, W. G.: *Hartley's Microscopy*, revised (2nd) ed., 1979, **511**
Howat, H. T., and Sarles, H.: *The Exocrine Pancreas*, 1979, **1016**
Humason, G. L.: *Animal Tissue Techniques*, 4th ed., 1979, **203**
Huvos, A. G.: *Bone Tumors: Diagnosis, Treatment and Prognosis*, 1979, **415**
International Agency for Research on Cancer: *IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans*, Vol. 19, *Some Monomers, Plastics and Synthetic Elastomers, and Acrolein*, 1979, **98**
International Society of Lymphology: *Lymphology: Proceedings of the Sixth International Congress*, 1979, **908**
Jenkins, J., ed.: *Machine Readable Labels in the Blood Transfusion Service*, 1979, **908**
Johannessen, J. V., ed.: *Electron Microscopy in Human Medicine*, Vol. 8, *The Liver, The Gallbladder, and Biliary Ducts*, 1979, **511**
Keleman, E., Calvo, W., and Fliedner, T. M.: *Atlas of Human Hemopoietic Development*, 1979, **1225**
Lee, F. D., and Toner, P. G.: *Biopsy Pathology of the Small Intestine*, 1980, **1015**
Leftkovits, I., and Waldmann, H.: *Limiting Dilution Analysis of Cells in the Immune System*, 1979, **607**
LiVolsi, V. A.: *Practical Clinical Cytology*, 1980, **1016**
Ludwig, J.: *Current Methods of Autopsy Practice*, 2nd ed., 1979, **201**
McAllister, H. A., Jr., and Fenoglio, J. J., Jr.: *Tumors of the Cardiovascular System*, 1978, **99**
McComb, R. B., Bowers, G. N., Jr., and Posen, S.: *Alkaline Phosphatase*, 1979, **1014**
Maclennan, R., *et al.*, eds.: *Cancer Registration and its Techniques*, 1978, **99**
MacSween, R. N. M., Anthony, P. P., and Scheuer, P. J., eds.: *Pathology of the Liver*, 1979, **907**
Major Problems in Clinical Pediatrics, Vol. XX, *Disorders of Calcium and Phosphate Metabolism in Childhood and Adolescence*, 1979, **906**
Major Problems in Pathology, Vol. 11, *Problems in Breast Pathology*, 1979, **704**
———, Vol. 12, *Surgical Pathology of the Uterine Corpus*, 1980, **1016**
Mandell, G. L., Douglas, R. G., Jr., and Bennett, J. E., eds.: *Principles and Practice of Infectious Diseases*, Vols. 1 and 2, 1979, **907**
Melamed, M. R., Mullaney, P. F., and Mendelsohn, M. L., eds.: *Flow Cytometry and Sorting*, 1979, **607**
Melnick, M., Jorgenson, R., and Bergsma, D: *Develop-*

mental Aspects of Craniofacial Dysmorphology, 1979, **704**
Miller, D. R., *et al.*, eds.: *Blood Diseases of Infancy and Childhood*, 4th ed., 1978, **606**
Morson, B. C., and Dawson, I. M. P.: *Gastrointestinal Pathology*, 2nd ed., 1979, **1124**
Novak, E. R., and Woodruff, J. D.: *Gynecologic and Obstetric Pathology*, 8th ed., 1979, **799**
Nuki, G., ed.: *The Aetiopathogenesis of Osteoarthrosis*, 1980, **1016**
Oehmichen, M.: *Mononuclear Phagocytes in the Central Nervous System*, 1978, **201**
Paget, G. E., and Thomson, R., eds.: *Standard Operating Procedures in Pathology*, 1979, **606**
Parker, M. T., ed.: *Pathogenic Streptococci*, 1979, **416**
Pattison, J. R., Bitensky, L., and Chayen, J., eds.: *Quantitative Cytochemistry and its Applications*, 1979, **1016**
Playfair, J. H. L.: *Immunology at a Glance*, 1979, **1014**
Ray, M. B.: *Hepatitis B Virus Antigens in Tissues*, 1979, **202**
Riethmuller, G., Wernet, P., and Cudkowicz, G., eds.: *Natural and Induced Cell-mediated Cytotoxicity*, 1979, **1015**
Robbins, S. L., and Cotran, R. S.: *Pathologic Basis of Disease*, 2nd ed., 1979, **1123**
Ross, P. W : *Clinical Bacteriology*, 1979, **1015**
Rubin, A D., and Waxman, S., eds.: *The Leukaemia Cell*, 1979, **512**
Sandritter, W., and Thomas, C.; *Color Atlas and Textbook of Macropathology*, 3rd ed., 1979, **1016**
Scanning Electron Microscopy, **1979**, **704**
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Slack, J. M., and Snyder, I. S.: *Bacteria and Human Disease*, 1978, **100**
Soderman, W. A., Jr., and Soderman, T. M., eds.: *Pathologic Physiology*, 6th ed., 1979, **1016**
Speller, D. C. E., ed.: *Antifungal Chemotherapy*, 1980, **1016**
Swales, J. D.: *Clinical Hypertension*, 1979, **800**
Symington, Sir T., Williams, A. E., and McVie, J. G., eds.: *Cancer: Assessment and Monitoring*, 1980, **1225**
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Taylor, C. R.: *Hodgkin's Disease and the Lymphomas*, Vol. 3, 1979, **606**
Terry, R. J., and Allison, A. C., eds.: *Parasite Immunology*, Vol. 1, 1979, **201**
Thé, G. de, Henle, W., and Rapp, F., eds.: *Oncogenesis and Herpesviruses*, III, Parts 1 and 2, 1978, **315**
Thompson, E. B., and Lippman, M. E., eds.: *Steroid Receptors and the Management of Cancer*, Vol. 1, 1979, **1124**
Thomson, J. M.: *Blood Coagulation and Haemostasis*, 2nd ed., 1980, **1123**
Thys, J. P., Klastersky, J., and Yourassowsky, E., eds.: *Aerobic Gram-negative Bronchopneumonias*, 1980, **1123**
Tyrrell, D. A. J., *et al.*; *Microbial Disease: The Use of the Laboratory in Diagnosis, Therapy and Control*, 1979, **99**
UICC Technical Report Series: *Screening in Cancer*, 1978, **608**
Ultrastructural Pathology, Vol. 1, No. 1, Jan.-Mar. 1980, **1123**
Valdés-Dapena, M.A.: *Histology of the Fetus and Newborn*, 1979, **1014**
Wallach, D. F. H.: *Plasma Membranes and Disease*, 1979, **1015**
Walter, J. B., and Israel, M. S.: *General* Pathology, 5th ed., 1979, **202**
Wheater, P. R., Burkitt, H. G., and Daniels, V. G.: *Functional Histology: A Text and Colour Atlas*, 1979, **607**
Whitby, L. G., Percy-Robb, I. W., and Smith, A. F.: *Lecture Notes on Clinical Chemistry*, 2nd ed., 1980, **1224**
Whitehead, R.: *Mucosal Biopsy of the Gastrointestinal Tract*, 2nd ed., 1979, **100**
World Health Organization: *Environmental Health Criteria*, 14, *Ultraviolet Radiation*, 1979, **608**
Wright, R., *et al.*, eds.: *Liver and Biliary Disease*, 1979, **1014**
Zilva, J. F., and Pannall, P. R.: *Clinical Chemistry in Diagnosis and Treatment*, 1979, **607**
Zuckerman, A. J., comp. and ed.: *A Decade of Viral Hepatitis*, 1980, **1123**
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